



# AYAA TECHNOLOGY CO.,LTD

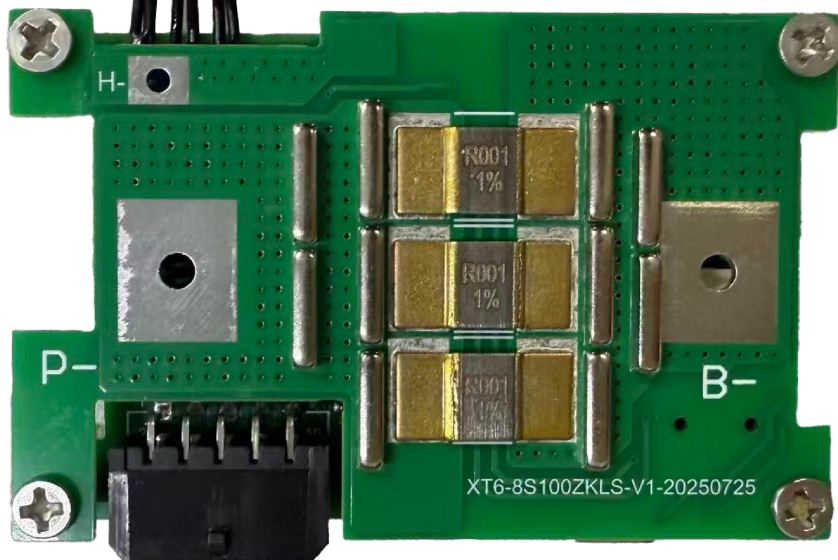
## BMS Specifications

Model: AY-ZX14S120A (LI-14S120A) Ver: A

Test item (Test at normal temperature 25±2℃)		Criterion
Communication Interface		CAN&UART&BLE
Voltage	Charging voltage	DC: 58.8V CC/CV (4.2v/Cell) 14S
Supply Current	Maximal continuous charging current	120A
	Maximal continuous discharging current	120A
	Current consume in normal operation	≤10mA
	Current consume in sleep operation	≤350uA
Over-charge aralm (single cell)	Over charge detection voltage	4.25±0.05V(Adjustable)
	Over charge detection delay time	1.0S(Adjustable)
	Over charge release voltage	4.20±0.05V(Adjustable)
Over discharge aralm (single cell)	Over discharge detection voltage	3.0±0.05V(Adjustable)
	Over discharge detection delay time	1.0S(Adjustable)
	Over discharge release voltage	3.2±0.05V(Adjustable)
Charge Over current aralm	Charge over current detection current	23A±3%(Adjustable)
	Detection delay time	2.0S(Adjustable)
	Release conditions	Removing the charger release
Discharge Over current aralm	Discharge over current detection current	80A±3%(Adjustable)
	Detection delay time	2.0S(Adjustable)
	Release conditions	Removing the load is lifted
Short protection	Detection condition	Battery B + Short Circuit for P-Connection Head
	Detection delay time	400uS
	Release condition	Remove load
SOC	accuracy(It takes a charge-discharge cycle to achieve the accuracy requirement after initial power-on.)	3%~5%
Temperature	Low temp. aralm when charge	0℃(Adjustable)
	Release temp. ( low temp. aralm)	5℃(Adjustable)
	Over temp. aralm when charge	45℃(Adjustable)
	Release temp. ( over temp. aralm)	43℃(Adjustable)
	Low temp. aralm when discharge	-20℃(Adjustable)
	Release temp. ( low temp. aralm)	-15℃(Adjustable)
	Over temp. aralm when discharge	55℃(Adjustable)
	Release temp. (over temp. aralm)	50℃(Adjustable)
	Operating Temperature Range	-20~+70℃
Storage Temperature Range	-40~+85℃	

SIZE: L \* W \* T mm

NTC: 10KQ Temperature switch: / °C (the batteries temperature) Weak current switch: Yes Heat: Yes



Prepared: Zjh 2025-12-29

Checked: Form number: AY-ENBG-007A0

Approved: